

# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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सं. 2

नई विलासी, शनिवार, जनवरी 10, 1981 (पौष 20, 1902)

No. 2] NEW DELHI, SATURDAY, JANUARY 10, 1981 (PAUSA 20, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 10th January 1981

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

4th December, 1980

1341/Cal/80. Saarberg and Dr. C. Otto, Gesellschaft Fuer Kohledruckvergasung MBH. A method of pneumatically conveying fine-grain fuel to a gasifier.

1342/Cal/80. Dr. C. Otto & COMP. GMBH. Door extractor for the closures of horizontal coke ovens.

1343/Cal/80. Hoechst Aktiengesellschaft. Surface-active compounds on the basis of arylated fatty substances and their use.

1344/Cal/80. S. A. Labaz N. V. Novel indolizine derivatives and process for preparing the same (December 6, 1979).

5th December, 1980

1345/Cal/80. Nippon Zeon Co. Ltd. Method for inhibiting polymerization of conjugated dienes

1346/Cal/80. Chemische Werke Huls Aktiengesellschaft Ureas having cyclic substituents, their preparation and use as herbicides.

1347/Cal/80. Voest-Alpine Aktiengesellschaft. Process and apparatus for continuously reducing and melting

of metal oxides and/or pre-reduced metallic materials.

1348/Cal/80. Leukocyte Research, Inc. Method and system for externally treating human blood.

1349/Cal/80. Ugine Aciers. A process for the decarburation of chromium-containing cast-irons.

1350 Cal/80. H. J. Save. Improvements in or relating to textile carding machine.

6th December, 1980

1351/Cal/80. B. Paul. A device for tensioning or tightening a line.

1352/Cal/80. Glaxo Group Limited. Device for dispensing medicaments. (December 6, 1979).

1353/Cal/80. Diamond Shamrock Corporation. Ceramic oxide electrodes for molten salt electrolysis (December 6, 1979).

1354/Cal/80. Vetrotex Saint-Gobain. Process and apparatus for the manufacture of glass fibres.

8th December, 1980

1355 Cal/80. Heraeu Elektroden GMBH. Electrode for electrolysis cells.

1356 Cal/80. Metal Box Limited. Containers. (December 8, 1979).

9th December, 1980

1357 Cal/80. Rahul Basu. Improvement in electronic sensor apparatus for measuring humidity in air

1358/Cal/80. M. A. Guldice. A complex with an additive for fuels.

1359/Cal/80 Nippon Zeon Co Ltd Process for extractive distillation

1360/Cal/80 Texaco Development Corporation A partial oxidation process with recovery of unconverted solid fuel from suspension in water

1361/Cal/80 Sintokogio Ltd Molding machine  
10th December, 1980

1362/Cal/80 M A N Maschinenfabrik Augsburg Nürnberg Aktiengesellschaft Air-compressing direct injection internal combustion engine

1363/Cal/80 M A N Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft Valve seat insert for internal combustion engines

1364/Cal/80 A W Schaefer Apparatus for producing a flexible pipeline compensator from a cylindrical metal blank

1365/Cal/80 Metallgesellschaft A G Dust-collecting electrostatic precipitator adapted to form a pressure relief opening

1366/Cal/80 American Home Products Corporation Naphthalidine derivatives (April 10, 1980)

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI 5**

6th November, 1980

795/Del/80 Edward Isaac Dutton, "Composition Board".

796/Del/80 G D Societa'Per Azioni, "Cigarette manufacturing machine of the continuous rod type".

797/Del/80 G D Societa'Per Azioni, "Conveyor system for bar-shaped articles, particularly cigarettes"

798/Del/80 Arbed SA, "Process for the conditioning of slag during metal bath refining".

10th November, 1980

799/Del/80 Uniroyal, Inc, "Alkylation of sulfones"

11th November, 1980

800/Del/80 Creusot-Loire, "Method of mixed blowing for refining metals in a converter"

12th November, 1980

801/Del/80 Microfuels, Inc, "Coal Treatment process"

14th November, 1980

802/Del/80 Gursaran Singh, "A Technique to get electrical energy from water air, or anything by bringing down its temperature"

803/Del/80 Ashland oil inc, "Carbo metallic oil conversion".

804/Del/80 Ashland oil inc "High metal carbo-metallic oil conversion"

805/Del/80 Ashland Oil Inc "Carbo metallic oil conversion with liquid water"

806/Del/80 Ashland Oil Inc "Carbo-metallic oil conversion with controlled CO<sub>2</sub> ratio in regeneration"

807/Del/80 Science Union Et Cie "Processes for preparing new piperidylbenz-imidazo-I none Derivatives"

15th November, 1980

808/Del/80 Arun Kumar, "FAIL SAFF TIMER"

809/Del/80 Gestetner manufacturing limited, "Copying method and apparatus" (16th November 1979)

810/Del/80 Hartmann & Braun Aktiengesellschaft "Non dispersive infrared radiation gas analyser" (March 14, 1980)

811/Del/80 Dr M. L. Punj, Dr. V. K. Kakkar & Mr. K. S. Saini, "An economical and useful Urea-wheat straw product for Ruminant"

17th November, 1980

812/Del/80 Scooters India Limited, "A process for the manufacture of spheroidal grey iron"

813/Del/80 Chief Controller Research & Development, Ministry of Defence, "Improvements in and relating to a chemical milling primer system for use on aircraft grade aluminium alloys"

18th November, 1980

814/Del/80 NI Industries Inc, "Process for extracting titanium values from titaniferous bearing materials"

815/Del/80 Alsthom-Atlantique, "A device for separably assembling two enclosures of a cut-out apparatus containing fluid under pressure"

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, TTDI ESTATES (3RD FLOOR), LOWER PARL (WFST), ROMRAY-400 013**

17th November, 1980

347/BOM/80 LARSEN & TOUBRO LIMITFD A method of manufacturing an acid mist filter assembly and an acid mist filter assembly manufactured by the said method

348/BOM/80 JYOTI LIMITFD High Speed circuit breaker magnet

349/BOM/80 1 Raveendra Vinayak Chitnis, and 2 Hema Raveendra Chitnis. A game involving the dealing in commodities

350/BOM/80 Oronzio De Nora Impianti Elettrochimici Sp A Novel electrolyzer and process

20th November, 1980

351/BOM/80 Madhusudan Hirralal Desai A process for reducing iron oxides to iron powder and apparatus therefor.

21st November, 1980

352/BOM/80 Bhikam Chand Jain An improved septic tank OFFICE BRANCH 61, WALLAJAH ROAD MADRAS-600 002

1st December, 1980

219/Mas/80 T Seshagiri A weighing machine

2nd December, 1980

220/Mas/80 T A. Vijayan An illumination system for footwear

4th December, 1980

221/Mas/80 Best & Crompton Engineering Limited A busduct pressurisation system

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents on the prescribed Form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972

"The classifications given below in respect of each specification are according to Indian Classification and International Classification"

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Khan Shankar Roy Road Calcutta in due course. The price of each specification is Rs 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 178. 148291

Int. Cl.-B28d 1/00.

#### APPARATUS FOR SAWING STONE.

*Applicant & Inventor:* HIROSHI ISHIZUKA, OF 19-2, EBARA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Application No. 1154/Cal/77 filed July 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Stone sawing apparatus composed of at least one stone sawing unit comprising a machine frame work having a pair of vertical posts each one bracket mounted to each of said vertical posts to be slidably movable therealong a pair of sprocket wheels each mounted to each of said brackets for rotation, an endless chain belt extended between and around said two sprocket wheels and mounted with a plurality of diamond grit segments around the outer surface thereof with a space between each adjacent pair of segments, a prime mover mounted to one of said brackets to drive one of said wheels to be rotated and consequently to drive said endless chain belt, a wheeled carriage for transferring the stone block to be severed in the direction transverse to the chain saw running direction, and another prime mover for raising and forcingly lowering said brackets along each of said posts.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS 14A<sub>1</sub>.

148292.

Int. Cl.-H01D 43/00.

#### MAGNETIC CORE STORAGE ACCUMULATOR.

*Applicant & Inventor:* JURY GENNADIEVICH ANDREEV, ULITSA F. POLETAEVA, 28, KV. 81, MOSCOW, USSR. (2) IRINA MIKHAILOVNA ANDREEVA, ULITSA 9 ROTA, 27, KV. 115, MOSCOW, USSR, (3) ALBERT IVANOVICH VASIN, ULITSA KIROVOGRADSKAYA, 42, KORPUS 1, KV. 80, MOSCOW, USSR. (4) VITALY SEMENOVICH GRABAROV, ULITSA KRASNODARSKA-YA, 57, KV. 246, MOSCOW, USSR, AND NIKOLAI MIKHAILOVICH SHARUNNKO, ULITSA VVEDENSKOGO, 14, KORPUS 1, KV. 16, MOSCOW, USSR.

Application No. 1425/Cal/77 filed September 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A magnetic core storage accumulator comprising a base, two identical matrices formed by rows of ferrite cores running in two mutually-perpendicular directions, said matrices being arranged one against the other on the opposite sides of the base, bit drive wires equal in number to the columns in 1 matrix, said wires threading one column of one matrix and the opposite column of the other matrix, word drive wires equal in number to the lines in one matrix, each threading one line of one matrix and the opposite line of the other matrix, and at least two sense windings arranged on the opposite sides of the base.

Comp. Specn. 5 Pages.

Drg. 1 Sheet.

CLASS 187H.

148293.

Int. Cl.-H04b 3/00

#### IMPROVEMENTS IN OR RELATING TO CIRCUIT ARRANGEMENTS FOR THE CARRIER FREQUENCY TRANSMISSION OF INFORMATION.

*Applicant :* SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

*Inventors :* WERNER AIGNER, EKKHARD HOFFMANN AND ERWIN SCHUMM.

Application No. 1460/Cal/77 filed September 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A circuit arrangement for the carrier frequency transmission of information from a transmitter circuit to a transmission path and from the transmission path to a receiver circuit in respectively a transmitting channel and a receiving channel which adjoin one another in frequency, the circuit arrangement comprising a transformer having first, second, and third windings, first, second, and third pairs of terminals for connection respectively to the output of the transmitter circuit, the input of the receiver circuit, and the transmission path, first and second resistances, and a dummy line, wherein the first resistance and the first winding are arranged in a series circuit between the terminals of the first pair of terminals, the second resistance and the dummy line are connected in series with one another across the second winding to form a voltage divider and the junction between the second resistance and the dummy line is connected to one of the terminals of the second pair of terminals, the first and second resistances are connected in series with one another between the terminals of the second pair of terminals, and the third winding is connected to the third pair of terminals, the arrangement being such that in use during transmission by the transmitter circuit resultant voltage drop occurring across the series-connected first and second resistances is substantially zero.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS 172D<sub>4</sub> & D<sub>8</sub> & E.

148294.

Int. Cl.-B01h 7/00, B65h 54/00.

#### APPARATUS FOR THE TAKE-UP AND TENSION-FREE RE-ISSUE OF A GIVEN LENGTH OF THREAD.

*Applicant :* PALITEX PROJECT-COMPANY GMBH, OF WEESERWEG 8, 4150 KREELD, WEST GERMANY.

*Inventor :* LOTHAR MARBACHER.

Application No. 1496/Cal/77 filed October 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

Apparatus for the take-up and tension-free re-issue of a given length of thread or the like, with an overhanging or unilaterally-mounted drum drivable by drive means, for the coiling of thread to form a single-layer winding and with thread-clamping means in the zone of a free or exposed end face of the drum, characterised in that there is provided a thread guide which can take the thread from the free or exposed end face of the drum and is rearwards-movable relative to or along the drum, from which guide thread is wound on the drum to produce a thread store and can be surrendered temporarily to a thread-holding member.

Comp. Specn. 17 pages.

Drg. 4 Sheets.

CLASS 158E<sub>4</sub>

148295.

Int. Cl.-B61f 5/50.

#### PAD RETAINING ASSEMBLY FOR RAILROAD CAR TRUCK BOLSTER.

*Applicant :* STANDARD CAR TRUCK COMPANY, OF 332 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604, UNITED STATES OF AMERICA.

*Inventor :* ROBERT PETER GEYER.

Application No. 1672/Cal/77 filed December 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Pad retaining assembly for railroad car truck bolster comprising spaced pad retainers positioned on either side of the bolster center plate area, each of said pad retainers having spaced upwardly-extending opposite side walls, said side walls having a substantially continuous uninterrupted upper surface, an elastomeric pad positioned within each retainer, opposite sides of each pad having an elongated slot extending generally along and spaced from a corresponding retainer side wall, said slots being generally intermediate the opposite ends of each

pad, and a fastening member welded to each side wall generally intermediate its ends and extending into a slot, said fastening members thereby mounting said pads within said retainers.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 134C.

148296.

Int. Cl.-B62d 21/18.

**DEVICE FOR FIXING AND DRIVING A DISPLACEMENT MEMBER OF A VEHICLE.**

*Applicant:* POCLAIN HYDRAULICS, OF BOITE POSTALE NO. 12, 60410 VERBERIE, FRANCE.

*Inventor:* CLAUDE MARUCICE PINSON.

Application No. 509/Del/77 filed December 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A device for fixing and driving a displacement member of a vehicle, such as a wheel, on the chassis of said vehicle, constituted by an axle journal coupled to said chassis, at least one rotating bearing surface disposed between said displacement member and said axle journal for the rotatable assembly of said displacement member, and by a drive motor comprising a stator which is fixed on the axle journal by removable fixing means and a rotor which is mounted to rotate with respect to the stator by means of rotating bearings and is fixed on the displacement member, likewise by removable fixing means, wherein the stator and the rotor are rigidly fixed on the axle journal and on the displacement member respectively, the rotating bearings of the motor being solely constituted by said rotating bearing surface, so that the motor may be dismantled by maintaining the displacement member in place on the axle journal.

Comp. Specn. 6 Pages.

Drg. 2 Sheets.

CLASS 39G.

148297.

Int. Cl. C01f 7/56.

**IMPROVED PROCESS FOR THE PRODUCTION OF HIGH-PURITY ALUMINIUM CHLORIDE.**

*Applicant:* ALUMINUM COMPANY OF AMERICA, OF ALCOA BUILDING, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors:* MARILYN DEAN BALLAIN, ROBERT LEE HARGIS AND LARRY KEITH KING.

Application No. 26/Del/78 filed January 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims

An improved process for the production of high-purity aluminum chloride suitable for electrolytic reduction to metallic aluminum by the chlorination of aluminous material to produce aluminium chloride at a temperature above the vaporization point of aluminium chloride, followed by filtration of the aluminium chloride vapors and subsequent condensation of the aluminium chloride vapors in a fluidized bed, which comprises contacting the hot aluminium chloride vapors with sufficient solid aluminium chloride vapors with sufficient solid aluminium chloride particles recycled by a fluidizing gas, after condensation in the fluidized bed, back to a point located between a chlorination zone and a filtration zone to cool the vapors by vaporization of the solid aluminium chloride to a temperature of about 300-350°C to permit subsequent filtration of the aluminium chloride vapors to remove solid impurities therefrom.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 85J & P.

148298.

Int. Cl.-F27d 3/00.

**APPARATUS AND PROCESS FOR TREATMENT OF PARTICULATE SOLIDS AT ELEVATED TEMPERATURE AND PRESSURE.**

*Applicant:* DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT, 06904, UNITED STATES OF AMERICA.

*Inventor:* WALTER WILHELM JUKKOLA.

Application No. 24/Del/78 filed January 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims

An apparatus for treatment of particulate solids at elevated temperature and pressure with discharge means for continuously discharging particulate solids to essentially ambient conditions, said apparatus comprising a main pressurized fluidized bed reactor which has, in use, a fluidized bed therein, solids discharge means comprising a conduit connected at one end thereof to said pressurized reactor to receive particulate solids at elevated pressure a standpipe connected at the lower end thereof to said conduit to receive particulate solids therefrom, said standpipe having fluidizing means therein to elevate the particulate solids therein to a level well above the fluidized bed surge vessel positioned at the upper end of said standpipe and having connection thereto to receive particulate solids from said standpipe at a pressure lower than said main reactor but above ambient pressure and a plug flow solids discharge conduit connected to said fluidized surge vessel to receive solids from said vessel and accommodate a moving plug of particulate solids having a length sufficient to depressurize the unfluidized solids in said plug flow discharge conduit for continuous discharge to essentially ambient pressure.

Comp. Specn. 12 Pages.

Drg. 1 Sheet

CLASS 23A & H. & 99B.

148299.

Int. Cl.-B65d 11/00.

**LINED CONTAINER, ESPECIALLY FOR COMPRESSED AND/OR EVACUATED GOODS, AND METHOD AND APPARATUS FOR MANUFACTURING SUCH CONTAINER.**

*Applicant & Inventor:* OD WIKAR CHRISTENSSON, VEDDESTAVAGEN 7-9, S-175 62 JARFALLA, SWEDEN.

Application No. 81/Del/78 filed January 30, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

27 Claims

Container comprising an outer container of cardboard or similar material and a lining of plastic or any other easily formable material which is adapted in the outer container and which at one end of the container exposes a preferably even openable lining side, and which lining is fed from and closed at the opposite end thereof, characterized in that the lining at the side thereof is intended to be opened is somewhat pressed down into itself thereby providing a projecting rib of two layers of lining material extending round its upwards directed opening side, and in that the outer container is formed with top flaps extending from the upper edge thereof which flaps are fold in and attached to the projecting rib of lining material so that the lining at the opening side is thereby secured in the outer container with the opening side somewhat emerged from the upper edge of the outer container.

Comp. Specn. 17 Pages.

Drg. 6 Sheets.

CLASS 32Fd & 40B.

Int. Cl. C07C 53/26.

148300

**A PROCESS FOR THE PREPARATION OF MALEIC ANHYDRIDE FROM FOUR-CARBON HYDROCARBONS.**

*Applicant:* THE STANDARD OIL COMPANY, AT MIDLAND BUILDING, CLEVELAND, OHIO 44115, U.S.A.

*Inventors:* ERNEST CARL MILBERGER, NOEL JEROME BREMER AND FUNICE KIE TENG WONG.

Application No. 166/Del/78 filed March 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims. No drawings.

In the process for the production of maleic anhydride by the oxidation of a four-carbon hydrocarbon of the

formula  $C_4H_nO_2$  or mixture thereof, n in the said formula being an integer of from 4—6 with molecular oxygen in the vapor phase at a reaction temperature of 250 to 600°C in the presence of a catalyst, the improvement comprising using a canadium-free catalyst such as herein described consisting essentially of the oxides of titanium and phosphorus.

Comp. Specn. 9 Pages. Drgs. Nil.  
CLASS 40F & 130F. 148301.  
Int. Cl. C22b 1/00.

#### LEACHING OF METAL SULPHIDES.

*Applicant:* SHERRITT GORDON MINES LIMITED, OF SUITE 2800 COMMERCE COURT WEST, TORONTO, ONTARIO, CANADA.

*Inventors:* HORST EBERHARD HIRSCH, JOHN FRANCIS HIGGINSON, ERNEST GEORGE PARKER AND GODEFRIDUS MARIS SWINKELS.

Application No. 261/Cal/78 filed March 13, 1978.

Convention date March 15, 1977/(10800/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No drawings

In a process for extracting metals from ores and concentrates containing metal sulfides and for separate recovery of elemental sulfur which comprises leaching said ores and concentrates with lixiviant capable of dissolving metals with concurrent oxidation of sulfide sulfur to elemental sulfur, said leaching resulting in the formation of reaction slurry comprising dissolved metals, elemental sulfur and unreacted sulfides and at least one material chosen from the group consisting of gangue materials and precipitated compound the improvement which comprises directing a flow of said reaction slurry at a temperature at which sulfur is present in the liquid state and at a pressure such that flashing of vapour is avoided into a separating step comprising a substantially quiescent zone, coalescing said elemental sulfur in the substantially quiescent zone, settling coalesced sulfur together with unreacted sulfides from said quiescent zone, maintaining a velocity in said flow in said substantially quiescent zone to cause separation of said slurry into a first and a second fraction, said velocity having an upward velocity component, said first fraction containing dissolved metals and at least one material chosen from gangue materials and precipitated compounds, said at least one material having a terminal settling velocity less than said upward velocity component, and said second fraction containing coalesced liquid elemental sulfur and unreacted sulfides and separately discharging said first and second fractions from said separating step.

Comp. Specn. 23 pages. Drgs. Nil.  
CLASS 88C. 148302.  
Int. Cl. F 17b—1/00.

#### AN IMPROVED GAS HOLDER IN GAS PLANTS FOR THE PRODUCTION OF GAS FROM GOBER (CATTLE DUNG) AND OTHER WASTES.

*Applicant:* KHADI & VILLAGE INDUSTRIES COMMISSION, GOBER GAS RESEARCH & DEVELOPMENT CENTRE, OF KORA GRAMODYOG KENDRA, BORIVLI, BOMBAY-400 092, MAHARASHTRA, INDIA.

*Inventor:* GUNAVANT LAXMAN PATANKAR.  
Application No. 66/BOM/1978 filed March 4, 1978.  
Complete Specification left on 24-2-1979.  
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

6 Claims.

An improved gas holder in gas plants for the production of gas from gober (cattle dung) and other agricultural wastes comprising an inverted dome of flexible and collapsible material, said dome having integral or attached thereto at the open end a rigid ring for connecting said dome to the walls of a

dome, there being also provided means for suspending weights over said flexible and collapsible dome to enable the said dome to collapse by gravity when empty.

Prov. Specn. 4 Pages. Drawing—Nil.

Comp. Specn. 7 Pages. Drawing—3 Sheets.

Int. Cl. 94C and 92E.

Int. Cl. B02 C 7/08.

#### "IMPROVEMENT IN OR RELATING TO THE ELECTRIC HOUSE HOLD FLOUR MILL".

*Applicant:* PURSHOTTAMDAS BABARBHAI PAN-CHAL OF 'MANGLA' NEAR DAHYABHAI MUKHI'S HOUSE, SUBHASH ROAD, ANAND-388 001, STATE OF GUJARAT, INDIA.

Application No. 206/Bom/1978 filed July 7, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

1 Claim.

An electric house hold flour mill having an upper grinding stone rigidly fixed to a top horizontal plate of the mill, the said top horizontal plate and the grinding stone being provided with an air/grain channel around a nut fitted at the top of a vertical solid shaft the said solid shaft passing downwards from the top horizontal plate through a lower rotatable grinding stone mounted on a support plate, bottom plate positioned below the said support plate, a co-axial hollow shaft of a driving motor for the mill and the base so as to finally rest on a pivot of a control lever mounted on the base of the flour mill, the gap between the two grinding stones being adjusted through a spring loaded knob fixed to the said lever and wherein the said solid shaft is coupled to the hollow shaft and along with the lower grinding stone is free to slide up and down in the hollow shaft and the mill also being provided with fins (vanes) fitted to the lower side of the rotatable support plate of the lower grinding stone for sucking in air through an air inlet provided at the base of the bottom plate and also through the said air/grain channel and the air sucked in is finally blown out with the flour through an out-jet duct resulting in the cleaning and cooling of the grinding stone.

Comp. Specn. 9 Pages. Drg.—1 Sheet

CLASS 170 B. 148304.  
Int. Cl. C 11d 1/100, 3/00.

#### A PROCESS FOR THE MANUFACTURE OF AN IMPROVED DETERGENT LAUNDRY BAR OR TABLET.

*Applicants:* GODREJ SOAPS LIMITED OF EASTERN EXPRESS HIGHWAY VIKHROLI BOMBAY-400 079 MAHARASHTRA.

*Inventors:* 1. BURJOR PROJSHA GODREJ, 2. NADIR BURJOR GODREJ, 3. MANMOHAN SHANKAR THAKUR.

Application No. 282/Bom/79 filed Sept., 22, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

1. A process for the manufacture of an improved detergent laundry bar or tablet comprising mixing a linear sodium paraffin sulphonate containing 13 to 18 carbon atoms, one or more detergency builders such as herein described and one or more soil suspending agents such as herein described and optionally sodium lauryl ether sulphate to form a homogeneous mixture, milling the homogeneous mixture into a ribbon and extruding the ribbon into bar or tablet.

Complete Specn. 8 Pages. Drawing—Nil.

CLASS : 32 F 3 C. 148305.  
Int. Cl. C07C 35/00.

#### AN IMPROVED PROCESS FOR THE PREPARATION OF GEMINAL ACETYLENIC ALCOHOLS.

*Applicants* : M/S. CAMPHOR & ALLIED PRODUCTS LIMITED, AT JEHANGIR BUILDING, 133 MAHATMA GANDHI ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

*Inventors* : 1. ANUBHAV PARKASH SINGH NARULA, 2. JANAKIRAM RAJARAM, 3. HARMANDER PAL SINGH CHAWLA, 4. SUKH DEV.

Application No. 307/BOM/78 filed October 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 8 Claims.

An improved process for the preparation of a geminal acetylenic alcohol, which comprises condensing a carbonyl compound with an acetylene, that is improved such as herein described, in the presence of potassium hydroxide in a mixture of hydrocarbon solvent such as herein described and a monohydric alcohol such as herein described to which a dialkyl ether such as herein described has been added as an additive instead of a low molecular weight aliphatic amide to furnish the said acetylenic alcohol.

Comp. Specn. 12 Pages. Drawing—Nil  
CLASS 158E3. D. 148306.  
Int. Cl.-B61f-5/26, 5/38.

RESILIENT MOUNTING MEANS BETWEEN THE BOGIE FRAMES AND THE AXLE BOXES OF RAILWAY BOGIES.

*Applicants* : DIRECTOR GENERAL, RESEARCH, DESIGNS & STANDARDS ORGANISATION, MINISTRY OF RAILWAYS, MANAK NAGAR-LUCKNOW.

*Inventors* : ANAND NARAYAN SHUKLA.

Application No. 556/Del/78 filed on July 29, 1978.

Complete Specification left on July 27, 1979.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

A resilient mounting means or connection between a bogie frame and an axle box of a railway vehicle comprising a block or pad of rubber sandwiched between and bonded to a top metal plate and a bottom metal plate, the top metal plate being firmly attached to the bogie frame and the bottom metal plate being anchored to the axle box.

Provisional Specification 4 pages and Drawing 1 Sheet.  
Complete Specification 6 pages and Drawing 1 Sheet.  
CLASS 158E, E2, 3. 148307.  
Int. Cl.-B61F. 5/00.

"STEERING ARRANGEMENT FOR RAILWAY-BOGIES.

*Applicants* : DIRECTOR GENERAL, RESEARCH, DESIGNS & STANDARDS ORGANISATION.

*Inventors*: SHUKLA, ANAND NARAYAN.

Application No. 557/Del/78 filed on 29-7-1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

A steering arrangement for bogies of railway vehicles comprising a pair of opposed links on each side of a bogie, the outer ends of the links on each side of the bogie being pivotally connected to brackets on axle boxes of an adjacent pair of wheel sets of the bogie, the inner ends of the links on each side of the bogie being connected pivotally to the two opposite ends of a lever, the levers on two ends of the bogie being mounted on a transverse shaft, the levers and links being displaceable to assume positions causing axles of wheel sets to assume radial positions relative to curved stretch of rail track when the vehicles pass over such stretch

and wheels on inner side of curved track are drawn together and the wheels on the outer side of the curved track are moved apart.

Provisional Specification 4 pages and Drawing 1 Sheet.

Complete Specification 6 pages and Drawing 1 Sheet.

CLASS 42A, 145c.

148308.

Int. Cl.-A 24C-5/46, 5/50, D21F-9/04.

"FIBRE CONTAINING MATERIAL WEB FOR THE MANUFACTURE OF FILTER RODS AND PROCESS AND APPARATUS FOR THE MANUFACTURE OF SAID MATERIAL WEB".

*Applicants* : CELFIL COMPANY ESTABLISHMENT.

*Inventors* : MULLER PAUL ADOLB, MUSTER HANS.

Application No. 584/Del/78 filed on 08 Aug 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 28 Claims

A fibre-containing material web for the manufacture of filter rods which can be sub-divided into filter plugs for tobacco products, the web having a rib-like structure comprising a multiplicity of first zones which run longitudinally of the web and have a rib-like structure in which the ribs have partly disintegrated fibrous structure and second zones, located between the first zones, having a rib-like structure more rigid than the structure of the first zones, the material web also having impressed therein a design consisting of closely adjacent impressions which are in the form of lines and extend transversely over at least part of the longitudinal zones, the impressions providing consecutive indentations spaced longitudinally of the web in the rib-like structure.

Complete Specification 47 pages and Drawing 6 Sheets.

CLASS 143D3, 42A1, 23BA. 148309.  
Int. Cl.-B65d-85/10, B65b-5/06, 19/02.

"APPARATUS FOR FOLDING CUTOUT ELEMENTS IN MACHINES FOR PACKAGING ARTICLES".

*Applicants* : G. D. Societa Per Azioni.

*Inventor*: ENZO SERAGNOLI.

Application No. 594/Del/78 filed on 10-8-1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

An apparatus for folding cutout elements in machines for packaging articles, in particular cigarettes, to obtain rigid packets of the hinged-lid type, the apparatus comprising, a step-by-step conveyor moving along a substantially circular path and having a plurality of recesses each of which is designed to receive a respective article together with a respective cutout element;

a plurality of folding stations successively arranged along the said path, each station comprising folding means arranged to co-operate with the said cutout elements to fold the same along pre-formed folding lines and around respective articles, the first of the said stations being an insertion station arranged to insert the said cutout elements inside a respective recess in the conveyor, and the last of the said stations being an outlet or discharge station for discharging the packaged articles from the conveyor, characterized in that each of the said recesses faces radially outwards and is also laterally open with respect to the said path; and that the said first station comprises;

a folding mandrel or frame arranged in a fixed position outside the said path and delimiting a passage having a cross-section substantially equal to that of the said articles and said recesses and being oriented in substantially radial direction with respect to the said path;

first pusher means which can reciprocate through the said conveyor when the latter is stationary and radially with respect to the said path, the said pusher means designed to sequentially co-operating with each said cutout element

arranged with its central portion in contact with an axial and of the said mandrel facing said conveyor; the said first pusher means having a folding head adapted to co-operate with opposite lateral portions of the said cutout element projecting from the said mandrel in a direction parallel to the said path to push said lateral portion into contact with the said outer surface of the said mandrel;

second pusher means successively supporting the articles to be packaged and being adapted to reciprocate, when the said conveyor is stationary, to move each of the said articles inside the said mandrel and into contact with its respective cutout element; said second pusher means being adapted to co-operative with the said first pusher means to successively move each of the said articles inside its respective recess together with its respective partly folded cutout element; support means adapted to reciprocate along said path to keep each said article and its respective cutout element inside its recess; said support means having arms adapted to co-operate, during motion of the support means, with that part of one of side folded portions of the said cutout element, projecting from the said recess for being folded parallel to the said path; and fixed folding means adapted to co-operate, during movement of the said conveyor, with the part of the other of said side folded portions of each said cutout element, which projects from the said respective recess to fold it parallel to the said path;

folding stations being arranged between the said first and the said last folding stations and comprising fixed cam means adapted to co-operate with each said cutout element during the movement of the said conveyor; and mobile folding means adapted to co-operate with said cutout elements when the said conveyor is stationary, to fold onto said article the portions of the said cutout elements which project from the said recesses transversally of said path;

and said last station comprising second fixed folding means arranged externally of the said path and adapted to complete the formation of the said packets, and ejection means adapted to eject partly formed packets from their recesses and in engagement with the said second fixed folding means.

Complete Specification 27 pages and Drawing 5 Sheets.

CLASS 164-A 148310.  
Int. Cl.-C02c. 1/00.

"A PROCESS FOR PURIFYING SEWAGE CONTAINING ACTIVATED SLUDGE OR FERMENTATION BROTHS".

*Applicants* : BAYER AKTIENGESELLSCHAFT OF 509 LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : ZLOKARNIK MARKO.

Application No. 531/Del/78 filed on 20th July, 1978.

Convention date 9th Feb. 1978 (U.K. 5234).

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A process for purifying sewage containing activated sludge, in sludge tanks by continuously introducing gases containing air, oxygen enriched air or oxygen into the said tank the oxygen being substantially utilised by the sewage in a single absorption stage in the tank, wherein the gas is introduced into the liquid which is under its own hydrostatic pressure, at locations which are at hydrostatic pressures of between 0.9 and 3 bar wherein the pressure of the gas introduced is from 0.01 to 0.5 m water head above the hydrostatic pressure of the gas inlet, wherein the gas is introduced by means of injectors having propulsion jet nozzles whose diameters are less than or equal to 20 mm preferably 8 to 16 mm, wherein the injectors are subjected to a gas throughout of from 5 to 100 effective m<sup>3</sup>/h wherein the propulsion jet throughout is from 15 to 60% by volume of the gas throughout measured in effective m<sup>3</sup>, and the injectors are arranged equidistantly or in equidistantly positioned clusters and wherein one injector is provided per 1 to 25 m<sup>2</sup> preferably per 1 to 5 m<sup>2</sup> of the floor area of the tank, from 0 to 1 m above the floor, and preferably at locations of identical hydrostatic pressure.

Complete Specification 11 Pages and Drawing one Sheet.  
CLASS 98E. 148311.  
Int. Cl. F28d. 17/00, 19/00.

ROTARY REGENERATIVE HEAT EXCHANGE APPARATUS HAVING A ROTOR OF HEAT ABSORBENT MATERIAL.

*Applicant*: THE AIR PREHEATER COMPANY, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

*Inventor* : RICHARD FRANKLIN STOCKMAN.

Application No. 1414/Cal/77 filed September 19, 1977.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Rotary regenerative heat exchange apparatus having a rotor of heat absorbent material disposed for rotation about a central rotor post a housing surrounding the rotor in spaced relation adapted to provide an annular space therebetween, said housing including end plates at opposite ends of the rotor having apertures that direct a heating fluid and a fluid to be heated through the rotor, means rotating the rotor about its axis to progressively move the heat absorbent material between the heating fluid and the fluid to be heated, sector plates at opposite ends of the housing intermediate the rotor and the end plates of the rotor housing adapted to separate the heating fluid from the fluid to be heated, axial seal plates outboard from the ends of the sector plates extending axially in said annular space adapted to preclude fluid flow around the rotor, and transition sealing means intermediate the outboard ends of the axial seal and adjacent sector plates adapted to close the space therebetween to preclude the flow of fluid.

Comp-Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 94 E. & G. 148312.

Int. Cl. A 47i-43/26.

"A NUTCRACKER".

*Applicants* : YODHA UDYOG OF OPPOSITE POLICE LINES, CIVIL LINES, LUDHIANA, INDIA.

*Inventor* : HANS-DIETRICH. WOLFF.

Application No. 614/Del/78 filed on 18-8-1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims.

A nutcracker comprising an upper jaw formed at the lower side of the upper end of a first handle, a second or lower jaw provided at the upper side of the upper end of a second handle, teeth or serrations provided on each of said jaws and said teeth or serration on the two jaws provided in a co-operating relationship to each other, said lower jaw being pivotally held to a sliding carriage, said sliding carriage being held in a sliding relationship to said first handle, and a limiting member for limiting the displacement of said second handle towards said first handle.

Complete Specification 9 pages and Drawing 1 Sheet.  
CLASS 24D1. 148313.

Int. Cl. B60t-11/16, 11/20.

HYDRAULIC MASTER CYLINDER FOR A MOTOR VEHICLE HAVING DISC BRAKES AND DRUM BRAKES.

*Applicants* : AUTOMOTIVE PRODUCTS LIMITED, A BRITISH COMPANY OF TECHBROOK ROAD, LEAMINGTON SPA WARWICKSHIRE, CV31, 3ET, ENGLAND.

*Inventor* : RAYMOND HIGGISON, DAVID PERSONS.

Application No. 622/Del/78 filed on 22nd August, 1978.

Convention date 7.9.77 (37270/1977) U.K.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi.

## (9 Claims.)

A master cylinder for use in a motor vehicle split hydraulic braking system having disc brakes for acting on one set of wheels and drum brakes for acting on another set of wheels, the master cylinder comprising a first chamber for connection to the drum brakes and which in use is pressurised by a first piston, a second chamber for connection to the disc brakes and which in use is pressurised by a second piston and delay valve means to control flow from the second chamber to the disc brakes, said delay valve means comprising a valve member operably connected to one of said first and second pistons such that the valve member moves to close communication from the second chamber to the disc brakes during initial movement of said one piston away from the brakes released position and a plunger movable by the fluid pressure in the second chamber against a control spring to re-open communication from the second chamber to the disc brakes when pressure in the second chamber reaches a predetermined magnitude, and non return valve means to allow flow from the disc brakes to the second chamber.

(Complete 16 pages, Drawing Sheet 1).

## CLASS 70B &amp; 14-C.

148314.

Int. Cl.-H01m. 27/00, 29/00.

## "IMPROVEMENTS IN OR RELATING TO SODIUM SULPHUR CELLS".

*Applicants* : CHLORIDE SILENT POWER LIMITED.

*Inventors* : BRENNAN MICHAEL PATRICK JOSEPH H.

Application No. 657/Del/78 filed on 7. September 1980.

Convention date 19th September 1977 (U.K. 39025).

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## (20 Claims.)

A sodium sulphur cell in which a solid electrolyte separates sodium from a cathodic reactant, wherein there is provided a cathode current collector in contact with the cathodic reactant, which is electrically conductive and which current collector comprises a substrate of a first metal which, at least on its surface exposed to the cathodic reactant, has a protective coating of a material chemically and electrically inert to the cathodic reactant and an element or elements of a second metal bonded through the protective coating onto the substrate to be in electrical contact therewith, said element or elements being exposed to the cathodic reactant and said second metal being a metal which is either chemically and electrochemically resistant to attack by the cathodic reactant or is coated with a corrosion resistant electronically conductive coating.

Complete Specification 22 pages and Drawing one Sheet.

## CLASS 170-B. 153, 129-G.

148315.

Int. Cl.-B24. d. 3/00, C09c. k. 3/14, C09 c. 1/68.

## "ABRASIVE MATERIALS".

*Applicants* : DE BEERS INDUSTRIAL DIAMOND DIVISION PROPRIETARY LIMITED.

*Inventors* : PHAAT, CORNFUINS.

Application No. 660/Del/78 filed on 7. September 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## (20 Claims.)

Method of making aggregated diamond abrasive particles comprising forming a mixture of diamond abrasive particles and a powdered metal, heating the mixture to sinter the metal followed by cooling to produce a mass and crushing the mass to obtain the aggregated particles, characterised in that the particles are selected from types A, B and C as hereinbefore defined and mixtures thereof.

Complete Specification 24 pages.

## CLASS 127A.

148316.

Int. Cl.-F.16d-13/16.

## DIAPHRAGM SPRING CLUTCHES.

*Applicants* : AUTOMOTIVE PRODUCTS LIMITED, FAMINGTON SPA, WARWICKSHIRE, ENGLAND.

*Inventors* : JOHN BURTON MOORE AND RICHARD ANDREW NIX.

Application No. 624/Del/78 filed on 22. August 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## (7 Claims.)

A diaphragm spring clutch cover assembly comprising a pressure plate, a cover, diaphragm spring having a plurality of radially inwardly directed fingers and acting between a first annular fulcrum on the pressure plate and a second annular fulcrum on the cover, and cushioning means in one of the annular fulcra, the cushioning means including a wavy ring having undulations which extend parallel to the axis of the clutch, some of the undulations being of greater amplitude than others.

Complete Specification 10 pages and Drawing 3 Sheets.

## CLASS 24-D.I.

148317.

Int. Cl.-B60t-15/20, 11/20.

## "A MASTER CYLINDER FOR A MOTOR VEHICLE, SPLIT HYDRAULIC BRAKING SYSTEM".

*Applicants* : AUTOMOTIVE PRODUCTS LIMITED.

*Inventors* : BAINBRIDGE WILFRED NICHOLAS PARSONS DAVID.

Application No. 633/Del/78 filed on 28. August 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## (9 Claims.)

A master cylinder for a motor vehicle split hydraulic braking system having disc brakes for acting on one set of wheels and drum brakes for acting on another set of wheels, the master cylinder comprising a first chamber for connection to the drum brakes and which in use is pressurised by a first piston, a second chamber for connection to the disc brakes and which in use is pressurised by a second piston, a control chamber which in use is pressurised by a control piston which is onable to retard movement of the second piston in the direction which pressurises the second chamber and first and second valve means to control the pressure in the control chamber in such a way that after an initial movement of the second piston in the brake-applying direction the first valve means operates to allow the control piston to prevent a further increase in the pressure in the second chamber until the pressure in the first chamber has risen to a predetermined magnitude when the second valve means operates to allow pressure in the second chamber to increase.

Complete Specification 20 pages and Drawing 2 Sheets.

## CLASS 63D. T. 68-D.

148318.

Int. Cl.-U02n-7/00, H02b-11/00, H02p-3/06.

## "MOTOR PROTECTOR".

*Applicants* : SWARAJ KUMAR KHULLAR.

*Inventors* : SWARAJ KUMAR KHULLAR.

Application No. 865/Del/78 filed on 30. 11. 78.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## (4 Claims)

A motor protector enclosed in a thin-tin can covered by an insulating sleeve comprising a 'U' shape Bi-metal strip housed in said can, a snap switch installed in the cavity of said Bi metal strip, said snap switch having terminals for

connections to power supply and being adapted to be connected to the motor which, said Bi-metal strip, actuates the said snap switch so as to disconnect the motor at a predetermined temperature of motor winding.

Complete Specification 3 pages and Drawing 1 Sheet.

#### OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Racold Appliances Pvt. Ltd., to the grant of a patent on application No. 147656 made by Kishen Gopal Panje.

(2)

An opposition has been entered by Polar Auto & Engineering Industries Pvt. Ltd., to the grant of a patent on application No. 147740 made by Krishna Fabrications Private Limited

(3)

*Correction of clerical errors under Section 78(3).*

The application for patent No. 141752 (earlier numbered as 541/Cat/74) the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 9th April, 1977 has been corrected so as to delete the claim 23 under Section 78(3) of the Patents Act, 1970.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta at two rupees per copy :—

(1)

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142563 142564 142565 142566 142567 142568 142570 142571  
142572 142573 142574 142575 142576 142578 142580 142581  
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142598 142599 142600 142601 142602 142603 142604 142605  
142606 142607 142608 142609 142610 142611 142612 142613

#### PATENTS SEALED

145314 145432 145433 146427 146540 146636 146892 147048  
147049 147057 147078 147086 147225 147227 147228 147235  
147243 147245 147286 147289 147303

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that The Tata Iron & Steel Company Limited, Jamshedpur, Bihar, India, an Indian Company, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 142368 for "An improved method for the production of sponge iron and a rotary kiln for producing the same". The amendments are by way to correct the names of inventors in the application form. An application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within 1 month from the date of filing the said notice.

(2)

Notice is hereby given that Toyama Chemical Co. Ltd., a corporation organised under the laws of Japan, of 1-18, Kayabacho, Nihonbashi Chuo-Ku, Tokyo, Japan, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 145444 for "A process for producing novel cephalosporins". The amendments are by way of correction. The application of amendment and the proposed amendments can be inspected

free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

#### RENEWAL FEES PAID

101712 102473 102881 102992 103044 103099 103103 103226  
103902 103957 103958 107414 107740 108003 108004 108212  
108213 108444 112481 112617 112947 113198 113482 113557  
113555 113602 113846 113986 113987 114043 114802 117379  
108383 108384 108403 118640 118694 118823 118846 118870  
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124812 124948 124954 125075 125785 128374 129055 129553  
129607 129640 129769 129856 129858 129998 132067 132617  
133463 133464 133580 133581 133725 133862 133967 134079  
134099 134101 134193 134374 134444 134880 135956 136100  
136141 136330 136516 136743 136744 136810 137000 137130  
137223 137445 137455 137763 137822 137858 137939 138167  
138548 138716 139029 139335 139345 139357 139400 139401  
139574 139594 139600 139822 140023 140038 140160 140175  
140268 140543 140401 140525 140530 140535 140553 140710  
140787 140867 140955 140984 141014 141255 141551 141689  
141784 141836 141856 141960 141968 142186 142216 142249  
142257 142281 142404 142475 142600 142640 142672 142718  
142788 142932 142988 143090 143097 143256 143690 143973  
144024 144029 144160 144170 144237 144408 144413 144423  
144730 144835 144855 144861 145004 145028 145168 145292  
145336 145384 145446 145609 145687 145834 145908 145052  
145982 146150 146168 146249 146396 146453 146461 146470  
146510 146554 146674 146680 146761 146794 146802 146829  
146941 146965 146972 146976 146978 146989 146996 146997  
147001 147019 147054 147087 147145

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 141280 dated the 5th December, 1974 made by Rohm & Haas Company on the 15th October, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 142276 dated the 12th November, 1974 made by Nippon Soda Company Limited on the 18th August, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 5th January, 1980 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 144080 dated the 17th June, 1975 made by Council of Scientific & Industrial Research on the 31st October, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 149473. Supreme Surgical Co., 3057, Hardhiyan Singh Road, Karol Bagh, New Delhi-110005,

an Indian Partnership Concern. "Blood Cell Counter". April 21, 1980.

Class 1. No. 149474. Supreme Surgical Co. 3057, Hardhiyan Singh Road, Karol Bagh, New Delhi-110005, an Indian Partnership Concern. "Blood Cell Counter". April 21, 1980.

Class 1. No. 149559. Tobu Enterprises Private Limited of 8/29, Industrial Area, Kirti Nagar, New Delhi-110015, India, an Indian Company. "Stroller". May 23, 1980.

Class 1. No. 149636. Elite Electrical Industries of 5332, Chandrawal Road, Subzi Mandi, Delhi-7, an Indian Partnership Firm. "Toaster". June 23, 1980.

Class 4. No. 149909. Deepak Glass Works of 14-C, Chatta-wali Gali, Calcutta, West Bengal, a proprietary firm. "Mirrors". September 15, 1980.

Class 4. No. 149910. Deepak Glass Works of 14-C Chatta-wali Gali, Calcutta, West Bengal, a proprietary firm. "Mirrors". September 15, 1980.

Class 4. No. 149911. Deepak Glass Works of 14-C Chatta-wali Gali, Calcutta, West Bengal, a proprietary firm. "Mirrors". September 15, 1980.

Class 4. No. 149912. Deepak Glass Works of 14-C Chatta-wali Gali, Calcutta, West Bengal, a proprietary firm. "Mirrors". September 15, 1980.

Class 4. No. 149913. Deepak Glass Works of 14-C Chatta-wali Gali, Calcutta, West Bengal, a proprietary firm. "Mirrors". September 15, 1980.

Class 4. No. 149914. Deepak Glass Works of 14-C Chatta-wali Gali, Calcutta, West Bengal, a proprietary firm. "Mirrors". September 15, 1980.

S. VEDARAMAN

Controller-General of Patents  
Designs and Trade Marks